

Application No. 10/541602
Responsive to the final office action dated June 8, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A glass flake, comprising a glass composition, the glass composition comprising at least 18 mass % of a transition metal oxide and allowing the glass flake to have a visible-light transmittance of 85% or lower measured with an *A* light source when the glass flake has a thickness of 15 μm , wherein the glass flake is free from a metal oxide crystal that contains Fe as a constituent atom.
2. (Previously Presented) The glass flake according to claim 1, wherein the glass composition further comprises SiO_2 and an alkali metal oxide.
3. (Previously Presented) The glass flake according to claim 2, wherein the glass composition comprises the following components, expressed in mass%:
 $20 \leq \text{SiO}_2 \leq 70$;
 $18 \leq \text{T-Fe}_2\text{O}_3 \leq 50$; and
 $5 \leq (\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}) \leq 50$,
where the T- Fe_2O_3 denotes Fe_2O_3 whose amount is calculated from the total content of iron contained in the glass composition.
4. (Previously Presented) The glass flake according to claim 1, wherein the glass composition further comprises SiO_2 and an alkaline-earth metal oxide.
5. (Previously Presented) The glass flake according to claim 4, wherein the glass composition comprises the following components, expressed in mass%:
 $20 \leq \text{SiO}_2 \leq 70$;

Application No. 10/541602

Responsive to the final office action dated June 8, 2009

$$18 \leq \text{T-Fe}_2\text{O}_3 \leq 50; \text{ and}$$

$$5 \leq (\text{MgO} + \text{CaO} + \text{SrO}) \leq 50,$$

where the T-Fe₂O₃ denotes Fe₂O₃ whose amount is calculated from the total content of iron contained in the glass composition.

6. (Previously Presented) The glass flake according to claim 1, wherein the glass composition further comprises SiO₂, an alkali metal oxide, and an alkaline-earth metal oxide.

7. (Previously Presented) The glass flake according to claim 6, wherein the glass composition comprises the following components, expressed in mass%:

$$20 \leq \text{SiO}_2 \leq 70;$$

$$18 \leq \text{T-Fe}_2\text{O}_3 \leq 50;$$

$$0 < (\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}) < 50;$$

$$0 < (\text{MgO} + \text{CaO} + \text{SrO}) < 50; \text{ and}$$

$$5 \leq (\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{MgO} + \text{CaO} + \text{SrO}) \leq 50,$$

where the T-Fe₂O₃ denotes Fe₂O₃ whose amount is calculated from the total content of iron contained in the glass composition.

8. (Canceled)

9. (Canceled)

10. (Original) The glass flake according to claim 1, wherein the glass composition comprises an oxide of Fe as the transition metal oxide, and the Fe satisfies a formula of $0.05 \leq \text{Fe}^{2+} / (\text{Fe}^{2+} + \text{Fe}^{3+}) < 1.00$.

11. (Original) The glass flake according to claim 10, wherein the Fe satisfies a formula of $0.10 \leq \text{Fe}^{2+} / (\text{Fe}^{2+} + \text{Fe}^{3+}) \leq 0.80$.

Application No. 10/541602

Responsive to the final office action dated June 8, 2009

12. (Original) The glass flake according to claim 1, further comprising a coating film that is formed on a surface of the glass flake and contains at least one selected from a metal and a metal oxide.

13. (Original) The glass flake according to claim 12, wherein the metal is at least one selected from the group consisting of nickel, gold, silver, platinum, and palladium.

14. (Original) The glass flake according to claim 12, wherein the metal oxide is an oxide of at least one selected from the group consisting of titanium, aluminum, iron, cobalt, chromium, zirconium, zinc, and tin.

15. (Withdrawn) A resin composition comprising a glass flake according to claim 1.

16. (Withdrawn) A paint comprising a glass flake according to claim 1.

17. (Withdrawn) A cosmetic product comprising a glass flake according to claim 1.

18 – 21. (Canceled)

22 – 26 (Canceled)

27. (Previously Presented) A glass flake, comprising a glass composition, the glass composition comprising at least 18 mass % of a transition metal oxide and allowing the glass flake to have a visible-light transmission of 85% or lower measured with a *A* light source when the glass flake has a thickness of 15 μm , wherein Fe contained in the glass flake satisfies a formula of $0.05 \leq (\text{Fe}^{2+} / \text{Fe}^{2+} + \text{Fe}^{3+}) < 1.00$.

28. (Canceled)